|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TF family | Species | Gene | Function | Reference |
| bZIP | *Arabidopsis* | AT1G42990 | ER stress | (Iwata and Koizumi, 2005; Iwata et al., 2008) |
| bZIP | *Arabidopsis* | AT2G40950 | Salt stress, BR signaling | (Liu et al., 2007a; Che et al., 2010) |
| bZIP | *Arabidopsis* | AT3G10800 | ER stress, heat stress, BR signaling | (Liu et al., 2007b; Gao et al., 2008; Che et al., 2010) |
| MYB related | *Arabidopsis* | AT5G45420 | Root hair development | (Slabaugh et al., 2011) |
| NAC | *Arabidopsis* | AT1G32870 | UV-B response; ANAC013, mitochondria retrograde signaling | (Safrany et al., 2008; De Clercq et al., 2013) |
| NAC | *Arabidopsis* | AT1G34190 | Mitochondria retrograde signaling | (Ng et al., 2013) |
| NAC | *Arabidopsis* | AT2G27300 | Salt responsive flowering, seed germination  | (Kim et al., 2007; Kim et al., 2008) |
| NAC | *Arabidopsis* | AT3G10500 | ROS homeostasis | (Lee et al., 2012) |
| NAC | *Arabidopsis* | AT3G49530 | Cold stress, drought stress, ER stress | (Seo et al., 2010; Seo et al., 2010; Kim et al., 2012; Yang et al., 2014) |
| NAC | *Arabidopsis* | At4g01540 | Cell division | (Kim et al., 2006) |
| NAC | *Arabidopsis* | AT4G01550 | Seed germination | (Park et al., 2011) |
| NAC | *Arabidopsis* | AT4G35580 | Osmotic stress signaling | (Yoon et al., 2008) |
| NAC | *Arabidopsis* | AT5G22290 | Sugar signaling, ROS signaling, floral initiation, ER stress | (Li et al., 2010; Li et al., 2011; Klein et al., 2012; Yang et al., 2014) |

**Table S1**. Known functions of trans-membrane transcription factors in plant species.

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